

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 09/380,534  
Source: IFW/6  
Date Processed by STIC: 2/16/05

# ***ENTERED***



IFW16

## RAW SEQUENCE LISTING

DATE: 02/16/2005

PATENT APPLICATION: US/09/380,534

TIME: 16:18:00

Input Set : A:\MANNK.001CP1.TXT

Output Set: N:\CRF4\02162005\I380534.raw

4 <110> APPLICANT: Kundig, Thomas M.  
 5 Simard, John J. L.  
 7 <120> TITLE OF INVENTION: A METHOD OF INDUCING A CTL RESPONSE  
 10 <130> FILE REFERENCE: MANNK.001CP1  
 12 <140> CURRENT APPLICATION NUMBER: 09/380,534  
 13 <141> CURRENT FILING DATE: 1999-09-01  
 15 <150> PRIOR APPLICATION NUMBER: PCT/US98/14289  
 16 <151> PRIOR FILING DATE: 1998-07-10  
 18 <150> PRIOR APPLICATION NUMBER: 08/988,320  
 19 <151> PRIOR FILING DATE: 1997-12-10  
 21 <150> PRIOR APPLICATION NUMBER: CA 2,209,815  
 22 <151> PRIOR FILING DATE: 1997-07-10  
 24 <160> NUMBER OF SEQ ID NOS: 569  
 26 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
 28 <210> SEQ ID NO: 1  
 29 <211> LENGTH: 9  
 30 <212> TYPE: PRT  
 31 <213> ORGANISM: Adenovirus 3  
 33 <400> SEQUENCE: 1  
 34 Leu Ile Val Ile Gly Ile Leu Ile Leu  
 35 1 5  
 38 <210> SEQ ID NO: 2  
 39 <211> LENGTH: 10  
 40 <212> TYPE: PRT  
 41 <213> ORGANISM: Adenovirus 5  
 43 <400> SEQUENCE: 2  
 44 Ser Gly Pro Ser Asn Thr Pro Pro Glu Ile  
 45 1 5 10  
 48 <210> SEQ ID NO: 3  
 49 <211> LENGTH: 9  
 50 <212> TYPE: PRT  
 51 <213> ORGANISM: Adenovirus 5  
 53 <400> SEQUENCE: 3  
 54 Val Asn Ile Arg Asn Cys Cys Tyr Ile  
 55 1 5  
 58 <210> SEQ ID NO: 4  
 59 <211> LENGTH: 10  
 60 <212> TYPE: PRT  
 61 <213> ORGANISM: Adenovirus 5  
 63 <400> SEQUENCE: 4  
 64 Ser Gly Pro Ser Asn Ile Pro Pro Glu Ile  
 65 1 5 10  
 68 <210> SEQ ID NO: 5

p.6

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69 <211> LENGTH: 9  
70 <212> TYPE: PRT  
71 <213> ORGANISM: CSFV  
73 <400> SEQUENCE: 5  
74 Glu Asn Ala Leu Leu Val Ala Leu Phe  
75 1 5  
78 <210> SEQ ID NO: 6  
79 <211> LENGTH: 9  
80 <212> TYPE: PRT  
81 <213> ORGANISM: Dengue virus 4  
83 <400> SEQUENCE: 6  
84 Thr Pro Glu Gly Ile Ile Pro Thr Leu  
85 1 5  
88 <210> SEQ ID NO: 7  
89 <211> LENGTH: 9  
90 <212> TYPE: PRT  
91 <213> ORGANISM: EEV  
93 <400> SEQUENCE: 7  
94 Cys Leu Gly Gly Leu Leu Thr Met Val  
95 1 5  
98 <210> SEQ ID NO: 8  
99 <211> LENGTH: 9  
100 <212> TYPE: PRT  
101 <213> ORGANISM: EBV  
103 <400> SEQUENCE: 8  
104 Asn Ile Ala Glu Gly Leu Arg Ala Leu  
105 1 5  
108 <210> SEQ ID NO: 9  
109 <211> LENGTH: 9  
110 <212> TYPE: PRT  
111 <213> ORGANISM: EBV  
113 <400> SEQUENCE: 9  
114 Asn Leu Arg Arg Gly Thr Ala Leu Ala  
115 1 5  
118 <210> SEQ ID NO: 10  
119 <211> LENGTH: 9  
120 <212> TYPE: PRT  
121 <213> ORGANISM: EBV  
123 <400> SEQUENCE: 10  
124 Ala Leu Ala Ile Pro Gln Cys Arg Leu  
125 1 5  
128 <210> SEQ ID NO: 11  
129 <211> LENGTH: 9  
130 <212> TYPE: PRT  
131 <213> ORGANISM: EBV  
133 <400> SEQUENCE: 11  
134 Val Leu Lys Asp Ala Ile Lys Asp Leu  
135 1 5  
138 <210> SEQ ID NO: 12

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139 <211> LENGTH: 9  
140 <212> TYPE: PRT  
141 <213> ORGANISM: EBV  
143 <400> SEQUENCE: 12  
144 Phe Met Val Phe Leu Gln Thr His Ile  
145 1 5  
148 <210> SEQ ID NO: 13  
149 <211> LENGTH: 9  
150 <212> TYPE: PRT  
151 <213> ORGANISM: EBV  
153 <400> SEQUENCE: 13  
154 His Leu Ile Val Asp Thr Asp Ser Leu  
155 1 5  
158 <210> SEQ ID NO: 14  
159 <211> LENGTH: 9  
160 <212> TYPE: PRT  
161 <213> ORGANISM: EBV  
163 <400> SEQUENCE: 14  
164 Ser Leu Gly Asn Pro Ser Leu Ser Val  
165 1 5  
168 <210> SEQ ID NO: 15  
169 <211> LENGTH: 9  
170 <212> TYPE: PRT  
171 <213> ORGANISM: EBV  
173 <400> SEQUENCE: 15  
174 Pro Leu Ala Ser Ala Met Arg Met Leu  
175 1 5  
178 <210> SEQ ID NO: 16  
179 <211> LENGTH: 9  
180 <212> TYPE: PRT  
181 <213> ORGANISM: EBV  
183 <400> SEQUENCE: 16  
184 Arg Met Leu Trp Met Ala Asn Tyr Ile  
185 1 5  
188 <210> SEQ ID NO: 17  
189 <211> LENGTH: 9  
190 <212> TYPE: PRT  
191 <213> ORGANISM: EBV  
193 <400> SEQUENCE: 17  
194 Met Leu Trp Met Ala Asn Tyr Ile Val  
195 1 5  
198 <210> SEQ ID NO: 18  
199 <211> LENGTH: 9  
200 <212> TYPE: PRT  
201 <213> ORGANISM: EBV  
203 <400> SEQUENCE: 18  
204 Ile Leu Pro Gln Gly Pro Gln Thr Ala  
205 1 5  
208 <210> SEQ ID NO: 19

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209 <211> LENGTH: 9  
210 <212> TYPE: PRT  
211 <213> ORGANISM: EBV  
213 <400> SEQUENCE: 19  
214 Pro Leu Arg Pro Thr Ala Pro Thr Ile  
215 1 5  
218 <210> SEQ ID NO: 20  
219 <211> LENGTH: 9  
220 <212> TYPE: PRT  
221 <213> ORGANISM: EBV  
223 <400> SEQUENCE: 20  
224 Pro Leu Pro Pro Ala Thr Leu Thr Val  
225 1 5  
228 <210> SEQ ID NO: 21  
229 <211> LENGTH: 9  
230 <212> TYPE: PRT  
231 <213> ORGANISM: EBV  
233 <400> SEQUENCE: 21  
234 Arg Met His Leu Pro Val Leu His Val  
235 1 5  
238 <210> SEQ ID NO: 22  
239 <211> LENGTH: 9  
240 <212> TYPE: PRT  
241 <213> ORGANISM: EBV  
243 <400> SEQUENCE: 22  
244 Pro Met Pro Leu Pro Pro Ser Gln Leu  
245 1 5  
248 <210> SEQ ID NO: 23  
249 <211> LENGTH: 9  
250 <212> TYPE: PRT  
251 <213> ORGANISM: EBV  
253 <400> SEQUENCE: 23  
254 Gln Leu Pro Pro Pro Ala Ala Pro Ala  
255 1 5  
258 <210> SEQ ID NO: 24  
259 <211> LENGTH: 9  
260 <212> TYPE: PRT  
261 <213> ORGANISM: EBV  
263 <400> SEQUENCE: 24  
264 Ser Met Pro Glu Leu Ser Pro Val Leu  
265 1 5  
268 <210> SEQ ID NO: 25  
269 <211> LENGTH: 9  
270 <212> TYPE: PRT  
271 <213> ORGANISM: EBV  
273 <400> SEQUENCE: 25  
274 Asp Leu Asp Glu Ser Trp Asp Tyr Ile  
275 1 5  
278 <210> SEQ ID NO: 26

## RAW SEQUENCE LISTING

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279 <211> LENGTH: 9  
280 <212> TYPE: PRT  
281 <213> ORGANISM: EBV  
283 <400> SEQUENCE: 26  
284 Pro Leu Pro Cys Val Leu Trp Pro Val  
285 1 5  
288 <210> SEQ ID NO: 27  
289 <211> LENGTH: 9  
290 <212> TYPE: PRT  
291 <213> ORGANISM: EBV  
293 <400> SEQUENCE: 27  
294 Ser Leu Glu Glu Cys Asp Ser Glu Leu  
295 1 5  
298 <210> SEQ ID NO: 28  
299 <211> LENGTH: 9  
300 <212> TYPE: PRT  
301 <213> ORGANISM: EBV  
303 <400> SEQUENCE: 28  
304 Glu Ile Lys Arg Tyr Lys Asn Arg Val  
305 1 5  
308 <210> SEQ ID NO: 29  
309 <211> LENGTH: 9  
310 <212> TYPE: PRT  
311 <213> ORGANISM: EBV  
313 <400> SEQUENCE: 29  
314 Gln Leu Leu Gln His Tyr Arg Glu Val  
315 1 5  
318 <210> SEQ ID NO: 30  
319 <211> LENGTH: 9  
320 <212> TYPE: PRT  
321 <213> ORGANISM: HCV-1  
323 <400> SEQUENCE: 30  
324 Leu Leu Gln His Tyr Arg Glu Val Ala  
325 1 5  
328 <210> SEQ ID NO: 31  
329 <211> LENGTH: 9  
330 <212> TYPE: PRT  
331 <213> ORGANISM: EBV  
333 <400> SEQUENCE: 31  
334 Leu Leu Lys Gln Met Cys Pro Ser Leu  
335 1 5  
338 <210> SEQ ID NO: 32  
339 <211> LENGTH: 9  
340 <212> TYPE: PRT  
341 <213> ORGANISM: EBV  
343 <400> SEQUENCE: 32  
344 Ser Ile Ile Pro Arg Thr Pro Asp Val  
345 1 5  
348 <210> SEQ ID NO: 33

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/380,534

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Input Set : A:\MANNK.001CP1.TXT  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:142; Xaa Pos. 4,8  
Seq#:359; Xaa Pos. 4,8  
Seq#:540; Xaa Pos. 1  
Seq#:552; Xaa Pos. 2,4,5,6,7,8  
Seq#:554; Xaa Pos. 4,5,6,7,8  
Seq#:555; Xaa Pos. 5,6,7,8  
Seq#:556; Xaa Pos. 6,7,8  
Seq#:557; Xaa Pos. 7,8  
Seq#:558; Xaa Pos. 8

**VERIFICATION SUMMARY**

DATE: 02/16/2005

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Input Set : A:\MANK.001CP1.TXT

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L:1449 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:142 after pos.:0  
L:3624 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:359 after pos.:0  
L:5439 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:540 after pos.:0  
L:5564 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:552 after pos.:0  
L:5589 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:554 after pos.:0  
L:5604 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:555 after pos.:0  
L:5619 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:556 after pos.:0  
L:5634 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:557 after pos.:0  
L:5649 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:558 after pos.:0